

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

500.43451X00

SERIAL NO.

10/766,015

APPLICANT

A. KANO, et al

FILING DATE

January 29, 2004

GROUP

2655

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROP
W.C.	6 2 1 9 7 5 3	4/01	Richardson			
	6 7 7 2 2 8 7	8/04	Uchiyama et al			
	6 6 8 4 2 8 2	1/04	Kocis			
2 0 0 3	0 1 8 2 5 0 2	9/03	Kleiman et al			
2 0 0 4	0 2 6 8 0 6 9	12/04	Satoyama et al			
2 0 0 4	0 2 4 3 3 8 6	12/04	Stolowitz et al			
2 0 0 3	0 2 0 4 6 7 1	10/03	Matsunami et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Sh. N/A

DATE CONSIDERED

8-19-05

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(Form PTO-1449 [6-4])

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A.N.	200407945	10/02	Fox et al			
A.N.	2003063639	8/03	Baum et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT YES

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

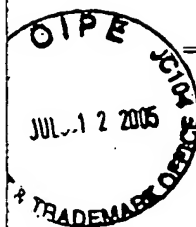
A.N.

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<i>A.N.</i>	2 0 0 3	0	1	1	0	3	3	0	06/03	Fujie et al			
	2 0 0 3	0	2	2	1	0	6	1	11/03	El-Batal et al			
	2 0 0 3	0	2	1	2	8	5	9	11/03	Ellis et al			
	2 0 0 2	0	0	1	9	8	9	7	2/02	Cruyningen			
<i>A.N.</i>	2 0 0 4	0	0	1	0	6	6	0	1/04	Konshak et al			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>A.N.</i>	EMC 2-Gigabit Disk-Array Enclosure EMC Corporation (DAE2), FC and ATA Models, Hardware Ref P/N 014003048, Rev A02.
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<i>S.N.</i>		6	7	6	3	4	0	9	07/04	Elliott			
<i>S.N.</i>	2 0 0 2	0	1	6	2	0	4	8	10/02	Ackaret et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
<i>S.N.</i>		9	3	3	0	1	8	2	12/97	Japan	—	—	XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

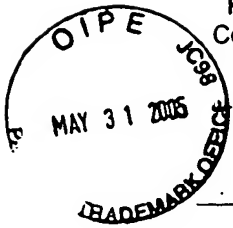
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A.C.V.	6 6 3 6 9 3 4	10/03	Linnell			
	5 9 5 1 6 9 1	09/99	Ng et al			
	6 1 1 5 7 9 7	09/00	Kanda et al			
	6 1 7 3 3 6 0	1/01	Beardsley et al			
	6 5 5 3 4 0 8	4/03	Merrell et al			
	6 6 0 6 6 9 0	8/03	Padovano			
A.C.V.	6 7 7 2 3 6 5	8/04	Obara			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
		YES	NO											
ACV.		0	8	4	4	5	6	1	5/98	Katsuragi et al	—	—		

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	500.43451CX1	10/766,015
	APPLICANT A. KANO, et al	
	FILING DATE January 29, 2004	GROUP 2655

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>Shi</i>	6 1 0 8 7 4 8	08/00	Ofek et al			
	6 5 1 0 4 9 1	1/03	Franklin et al			
	6 6 5 1 1 3 7	11/03	Baek et al			
	6 7 0 8 2 3 2	03/04	Obara et al			
<i>Shi</i>	5 5 4 6 5 5 8	8/96	Jacobson et al			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
1 3 1 5 0 7 4	5/03	European			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Shi</i>	DATE CONSIDERED P-9-05
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<i>A. N.</i>	2 0 0 4	0	1	9	3	7	6	0	9/04	Matsunami et al			
	2 0 0 4	0	1	9	9	5	1	5	10/04	Penny et al			
	2 0 0 2	0	1	3	8	7	0	5	9/02	Suzuki et al			
	2 0 0 3	0	2	2	1	0	7	7	11/03	Ohno et al			
	2 0 0 4	0	0	1	0	6	6	2	1/04	Aruga			
<i>A. N.</i>	2 0 0 4	0	1	1	7	5	1	7	6/04	Beauchamp et al			

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<i>A. N.</i>	2 0 0 4	0 1 2 8 6 2 7	7/04	Zayas		
<i>[Signature]</i>	2 0 0 3	0 0 9 7 6 0 7	5/03	Bessire		
<i>[Signature]</i>	2 0 0 4	0 0 7 8 7 0 7	4/04	Apperley et al		
<i>[Signature]</i>	2 0 0 4	0 0 7 3 7 4 7	4/04	Lu		
<i>A. N.</i>	2 0 0 4	0 1 7 7 2 1 8	9/04	Meehan et al		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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<i>AcN</i>	5 6 0 3 0 0 3	2/97	Akizawa et al			
	5 8 3 8 8 9 1	11/98	Mizuno et al			
	5 8 6 7 7 3 6	2/99	Jantz			
	5 8 8 4 0 9 8	3/99	Mason, Jr.			
	6 2 1 9 7 5 2	4/01	Sekido			
	6 2 2 3 2 4 9	4/01	Kato et al			
	6 5 4 9 9 7 8	5/03	Mansur et al			
	6 6 4 0 2 7 8	10/03	Nolan et al			
	6 6 8 4 2 9 5	1/04	Fujimoto et al			
	6 7 4 5 2 8 7	6/04	Fujimoto et al			
<i>AcM</i>	6 2 0 1 6 9 2	3/01	Gamble et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
<i>AcN</i> 2 0 0 2	3 3 3 9 5 4	11/02	Japan				
<i>AcN</i> 2 0 0 4	1 7 8 5 5 7	6/04	Japan				

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>A. K.</i>	6 6 2 8 5 1 3	9/03	Gallagher et al			
	6 8 3 1 8 3 9	12/04	Bovell			
	6 0 6 1 7 5 0	5/00	Beardsley et al			
	6 7 6 3 4 3 6	7/04	Gabber et al			
	6 7 9 2 4 8 6	9/04	Hanan et al			
	6 1 3 7 6 7 9	10/00	Chang			
	6 3 5 1 3 7 5	2/02	Hsieh et al			
	6 4 8 4 2 3 6	11/02	Fujimoto et al			
	6 4 8 4 2 6 9	11/02	Kopylovitz			
<i>A. K.</i>	6 7 2 8 9 2 2	4/04	Sundaram et al			
	5 4 7 5 8 1 4	12/95	Tomimitsu			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
<i>A. K.</i> 0 2 1 8 8 3 5		Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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A. K.

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<i>S.N.</i>	6 5 0 2 1 0 8	12/02	Day, III, et al			
	6 6 5 8 5 9 2	12/03	Cohen et al			
<i>S.N.</i>	2 0 0 0 7 4 6 9	1/02	Taketa et al			
<i>S.N.</i>	2 0 0 4 0 4 1 3	4/02	Okada et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
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<i>S.N.</i>	2 1 4 2 6 5 0	5/01	Japan				
<i>S.N.</i>	2 1 5 0 7 4 6	5/02	Japan				

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2 0 0 3	0 0 9 7 5 0 4	5/03	Oeda et al			
2 0 0 3	0 1 1 5 4 3 7	6/03	Tomita			
2 0 0 3	0 1 4 5 1 6 7	7/03	Tomita			
2 0 0 3	0 1 9 6 0 0 2	10/03	Nakayama et al			
2 0 0 3	0 1 9 6 1 4 7	10/03	Hirata et al			

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<i>S. N.</i>	2 0 0 4	0	0	2	4	9	3	0	2/04	Nakayama et al			
<i>S. N.</i>	2 0 0 4	0	0	6	8	6	1	0	4/04	Umberger et al			
<i>S. N.</i>	2 0 0 4	0	1	0	7	3	2	5	6/04	Mori			

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													YES	NO

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>S.N.</i>	2 0 0 1	0	0	4	6	1	1	8	11/01	Yamanashi et al			
	2 0 0 1	0	0	5	4	1	3	6	12/01	Ninomiya et al			
	2 0 0 1	0	0	5	6	5	2	7	12/01	Ninomiya et al			
	2 0 0 2	0	1	6	2	0	5	7	10/02	Talagala			
	2 0 0 3	0	0	4	1	2	0	1	2/03	Rauscher			
	2 0 0 3	0	1	7	2	1	5	0	9/03	Kennedy			
<i>S.N.</i>	2 0 0 4	0	1	1	7	5	3	4	6/04	Parry et al			

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<i>See N</i>	2 0 0 3	0	0	4	1	2	7	8	2/03	Lin			
	2 0 0 4	0	1	1	1	5	6	0	6/04	Takase et al			
	2 0 0 4	0	2	6	7	5	1	6	12/04	Jibbe et al			
<i>See N</i>	2 0 0 5	0	0	2	7	9	0	0	2/05	Petty			

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<i>S.A.</i>	2 0 0 3	0	2	3	1	4	2	0	12/03	Kano et al			
	2 0 0 4	0	0	8	8	4	8	2	5/04	Tanzer et al			
	2 0 0 4	0	1	6	9	9	9	6	9/04	Paul et al			
	2 0 0 1	0	0	1	9	5	0	9	9/01	Aho et al			
	2 0 0 3	0	0	4	6	4	6	0	3/03	Inoue et al			
	2 0 0 4	0	1	3	9	2	6	0	7/04	Steinmetz			
<i>S.A.</i>	2 0 0 4	0	1	4	8	3	2	9	7/04	Ogasawara et al			

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2 0 0 2	0 0 4 9 8 8 6	4/02	Furuya et al			
2 0 0 2	0 1 4 4 0 5 7	10/02	Li et al			
2 0 0 3	0 1 3 1 2 9 1	7/03	Morrison et al			
2 0 0 3	0 1 6 7 4 3 9	9/03	Talagala et al			
2 0 0 3	0 0 9 7 4 8 7	5/03	Rietze et al			
2 0 0 4	0 1 1 1 4 8 5	6/04	Mimatsu et al			
2 0 0 4	0 2 6 8 0 3 7	12/04	Buchanan, Jr. et al			

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2 0 0 4	0 1 4 8 4 6 0	7/04	Steinmetz			
2 0 0 4	0 1 4 8 4 6 1	7/04	Steinmetz			
2 0 0 4	0 2 3 6 9 0 8	11/04	Suzuki et al			
2 0 0 3	0 1 1 0 3 3 0	6/03	Fujie et al			
5	8 4 5 3 1 9	12/98	Yorimitsu			
6	4 4 9 7 0 9		Gates			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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(Form PTO-1449 [6-4])

FORM PTO-1449 U.S. Department of
Commerce Patent and Trademark Office

ATTY. DOCKET NO.

500.43451CX1

SERIAL NO.

10/766,015

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICANT
A. KANO, et al

FILING DATE
January 29, 2004

GROUP

2655

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>S-N</i>	5 8 1 2 7 5 4	9/98	Lui et al			
<i>S-N</i>	5 8 2 2 7 8 2	10/98	Humlicek et al			
<i>S-N</i> 2 0 0 2	0 0 6 2 4 5 4	5/02	Fung			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
<i>S-N</i> 2 0 0 3	3 6 1 4 6	2/03	Japan		

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<i>S-N</i>	8 7 8 - 0 5

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FORM PTO-1449 U.S. Department of Commerce (Rev. 4/92) Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 500.43451CX1	SERIAL NO. 10/766,015
	APPLICANT A. KANO, et al	
	FILING DATE January 29, 2004	GROUP 26.55

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Sch	2003 0189811	10/03	Peeke et al	—	—	
Sch	2003 0135577	7/03	Weber et al	—	—	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
Sch	10301720	11/98	Japan	—	—	Eng.Trans	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Sch	Serial Attached SCSI and Serial ATA Compatibility, Intel, 2002, pp. 1-8.
Sch	ESG Product Brief EMC, March 2003, CLARiiON WITH ATA, pp. 1-2.
Sch	EMC CLARiiON Backup Storage Solutions Back-up-to-Disk Guide with LEGATO Networker Diskbackup Option (DBO), Engineering White Paper, 4/8/2003, pp. 1-28.

EXAMINER

Sch-NP

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8-19-05

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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	500.43451CX1	10/766,015
	APPLICANT A. KANO, et al	
	FILING DATE January 29, 2004	GROUP 2655

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>A.C.V.</i>	2 0 0 1 4 9 5 6	8/01	Nagata et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
						YES	NO
<i>A.C.V.</i>	2 1 6 7 0 4 0	6/01	Japan			XX	
<i>A.C.V.</i>	2 3 3 7 8 6 8	12/01	Japan			XX	
<i>A.C.V.</i>	0 9 3 3 0 1 8 4	12/97	Japan			XX	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>A.C.V.</i>	EMC CLARiiON Backup Storage Solutions Backup-to-disk Guide with Computer Associates' BrightStor ARCserve Backup, Engineering White Paper, 4/16/2003, pp. 1-28.
<i>A.C.V.</i>	EMC CLARiiON Backup Storage Solutions Backup-to-Disk: An Overview, Engineering White Paper, 3/3/2003, pp. 1-10.
<i>A.C.V.</i>	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with CommVault Galaxy, Engineering White Paper, 3/3/2003, pp. 1-26.
<i>A.C.V.</i>	EMC CLARiiON Backup Storage Solutions Backup-to-Disk Guide with Computer Associates' BrightStor Enterprise Backup, Engineering White Paper, 4/16/2003, pp. 1-23.

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8-19-05

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APPLICANT

A. KANO, et al

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January 29, 2004

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2085

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>det</i>	6 2 4 0 4 8 6	05/01	Ofek et al			
	6 1 7 3 3 6 0	01/01	Beardsley et al			
	6 8 0 1 9 9 2	10/04	Gajjar et al			
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2 0 0 3	0 0 6 1 4 9 1	3/03	Jaskiewicz et al			
2 0 0 3	0 1 3 5 6 0 9	7/03	Carlson et al			
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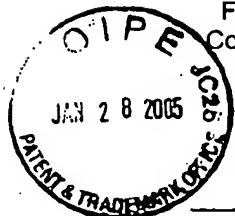
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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<i>det</i>	8-19-05

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EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
U.S.V.	2004	0	2	4	3	6	9	9	12/04	Koclances et al			
	2004	0	1	7	7	2	2	8	9/04	Leonhardt et al			
	2004	0	1	5	8	6	7	6	8/04	Kasmirsky et al			
A.S.V.	2004	0	1	5	3	6	1	4	8/04	Bitner et al			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

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<i>S.N.</i>	5 8 1 2 7 5 4	09/98	Lui et al			
	5 8 2 2 7 8 2	10/98	Humlcek et al			
	6 4 4 9 7 0 9	9/02	Gates			
2 0 0 2	0 0 6 2 3 8 7	5/02	Yatziv			
2 0 0 2	0 0 6 2 4 5 4	5/02	Fung			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
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1 0 0 1 3 4 5	5/00	European			

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W.N.	2 0 0 3	0 1 1 0 3 3 0	6/03	Fujie et al	—	—

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO
W.N.	2 0 0 3	3 6 1 4 6	2/03	Japan	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>SM</i>	6 1 5 4 8 5 0	11/00	Idleman			
	6 4 0 0 7 3 0	6/02	Latif			
<i>2002</i>	0 1 4 4 0 4 8	10/02	Bolt			
<i>2003</i>	0 1 4 9 8 4 0	8/03	Bolt			
<i>2003</i>	0 2 2 1 0 6 1	11/03	El-Batal			

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT
					YES NO

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EXAMINER INITIAL	DOCUMENT NUMBER								DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>S.M.</i>	5	8	3	2	2	0	4		11/98	Apperley et al			
<i>S.M.</i>	0	1	3	5	5	7	7		7/03	Weber et al			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO

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<i>S.M.</i>	IBM Technical Disclosure Bulletin Vol. 38, No. 7, July 1995 (New York), "Foreground/Background Checking of Parity in a Redundant Array of Independent Disks-5 Storage Subsystem", pp. 455-458.
<i>S.M.</i>	Laboratory Automation and Information Management 32, 1996, (Elsevier Science B.V), R E Dessy, "Computer Connections", pp. 53-62.

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PTO/SB/08A (08-03)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Complete if Known

Application Number	107-766013
Filing Date	January 29, 2004
First Named Inventor	Azuma Kano
Art Unit	2655
Examiner Name	
Attorney Docket Number	500.43451X00

Sheet	1	of	1
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Examiner Initials*	Cite No.†	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code* Number * Kind Code* (if known)				
AA		JP05-150909 (w ABST)	06-18-1993	NEC CORP		

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